

# Bello Zon® CDKc

## Chlorine dioxide system

The efficient way to meter large volumes. The unique pre-dilution feature ensures reliable operation in accordance with the latest standards.

Bello Zon® CDKc is a ready-to-connect chlorine dioxide system for the production, metering and monitoring of up to 12,000 g/h of chlorine dioxide from concentrated source chemicals. A completely newly developed reactor concept ensures the innovative production and metering of chlorine dioxide. This results in higher operating safety and improved purity of the chlorine dioxide generated.

The pre-dilution module allows the hydrochloric acid concentration to be preset and adjusted to the individual operating conditions. This makes the CDKc system unusually economical and prevents dangerous contact between undiluted chemicals.

- Increased safety due to pre-dilution
- Efficient operation by the production, metering and monitoring of ClO<sub>2</sub> with only one system
- Maximum ClO<sub>2</sub> purity achieved through use of PVDF reactors
- Increased operating safety thanks to stroke length-monitored metering pumps
- Perfect quality management thanks to integrated storage of all operating parameters and measured values (measurement, documentation and representation of ClO<sub>2</sub>, chlorite, pH and ORP)
- Simple and safe operation, thanks to clear navigation in plain text
- Control with large colour display, integrated data logger and screen plotter



| Model      | Flow Range (g/h) | Number of Pumps | Control Panel Size (mm) |
|------------|------------------|-----------------|-------------------------|
| CDKc 150   | 8-150            | 8               | 10-40                   |
| CDKc 400   | 20-400           | 8               | 10-40                   |
| CDKc 900   | 45-900           | 8               | 10-40                   |
| CDKc 2000  | 100-2,000        | 5               | 15-40                   |
| CDKc 2800  | 140-2,800        | 5               | 15-40                   |
| CDKc 7300  | 365-7,300        | 3               | 15-40                   |
| CDKc 12000 | 600-12,000       | 2               | 18-40                   |

| Inputs  |
|---|
| 1 water meter (contact 0.25-20 Hz or frequency 10-50,000 Hz)  |
| 1 external digital input - pause  |
| 1 external digital input - high metering  |
| 1 external digital input - measured water monitoring  |
| 1 external digital input - malfunction (e.g. for gas detector)  |
| 1 external digital input - leak monitoring (e.g. chemical storage tank)   |
| 2 standard signal outputs 0/4-20 mA, configurable for water meter, interference variable, control variable or measured value (ClO <sub>2</sub> , chlorite, pH or ORP) |

| Outputs  |
|--|
| 1 switched network output for bypass pump      |
| 1 operating signal relay                       |
| 1 warning signal relay                         |
| 1 fault indicating relay                       |
| 1 standard signal output (freely configurable) |